APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/714,154	11/17/2000	Shin Aoki	199813US2	5542

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EXAMINER
LEWIS, DAVID LEE

ART UNIT	PAPER NUMBER
2673	

DATE MAILED: 08/15/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.	Applicant(s)
09/714,154	Aoki
Examiner	Art Unit
David L Lewis	2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ___3___ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _Nov 17, 2000_

2a) ☐ This action is FINAL.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-24_ is/are pending in the applica

    4a) Of the above, claim(s) _____ is/are withdrawn from considera

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-24_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claims _____ are subject to restriction and/or election requirem

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All b) ☐ Some* c) ☐ None of:

        1. ☒ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    *See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

    a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). __2__

4) ☐ Interview Summary (PTO-413) Paper No(s). _____

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____

U. S. Patent and Trademark Office

PTO-326 (Rev. 04-01)   Office Action Summary   Part of Paper No. 3

Title: **Method And Apparatus For Controlling Image-Display Devices Collectively**

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2.   **Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by**

Yonezawa(6271805).

3.   **As in claim 1, Yonezawa teaches of** an image-transmitting device connected to image-display

devices through a bus cable, said image transmitting device comprising: a memory unit storing a set

of screen data whose correspondence to each of said image-display devices and a displaying order

of said screen data to be displayed on said image-display devices are predetermined, **figure 1 item**

34, 36, figure 3 item 520 and 600; a transmission-data-generating unit selecting specific screen data

from, among the set of the screen data by following the correspondence and the displaying order, and

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generating transmission data that each of said image-display devices is to display based on the selected specific screen data, **figure 3 items 500, 600, and 640**; a bus interface connected to said image display devices through the bus cable, **figure 1 item 39**; and a transmission unit transmitting the transmission data from said bus interface through the bus cable to each of said image-display devices, **figure 1 items 32, 38, and 100**.

4.   **As in claim 2, Yonezawa teaches of** wherein said memory unit further includes a two-dimensional arrangement in which file names of the screen data are placed in a position corresponding to an image-display device that is to display said screen data and the displaying order of said screen data, **, column 4 lines 58-63, figure 6 item 600. As in claim 3, Yonezawa teaches of** further comprising a setting unit by which a user sets the correspondence of the screen data to each of said image-display devices and the displaying order of the screen data in advance, column 5 lines 15-65. **As in claim 4, Yonezawa teaches of** further comprising: an instruction-input unit being used for inputting an instruction by a user to said image transmitting device through a GUI (Graphical User Interface), column 5 lines 15-65; and a setting unit setting the correspondence of the screen data to each of said image-display devices and the displaying order of the screen data in advance by following the instruction inputted by the user through said instruction-input unit, column 5 lines 15-65. **As in claim 5, Yonezawa teaches of** further comprising an instruction-input unit that is used by a user to select one of the screen data and one of said image-display devices, and to direct the selected

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image-display device to display the selected screen data, wherein the transmission data is generated based on the selected screen data by said transmission data-generating unit, and. then is transmitted to the selected image-display device by said transmission unit, column 4 lines 58-67. **As in claim 6, Yonezawa teaches of** further comprising an instruction-input unit that is used by a user to select one of the screen data and one of said image-display devices through a graphical user interface (GUI), and to direct the selected image-display device to display the selected screen data, wherein the transmission data is generated based on the selected screen data by said transmission data-generating unit, and. then is transmitted to the selected image-display device by said transmission unit, column 4 lines 58-67. **As in claim 7, Yonezawa teaches of** wherein said transmission data is area updating data that includes data specifying an updating area of the screen data displayed on an image-display device and data used for updating part of the screen data displayed in the updating area, column 4 lines 1-10, column 5 lines 16-35. **As in claim 8, Yonezawa teaches of** wherein said image-transmitting device is a computer including a USB (Universal Serial Bus) interface as said bus interface, and said bus cable is a USB cable, figure 1 item 39, 100, column 3 lines 10-15.

5.   **As in claim 9, Yonezawa teaches of** image-display system including a control device and image-display devices connected through a bus interface to said control device, **figure 1**, said control device comprising a memory unit storing a set of screen data whose correspondence to each of said image-display devices and a displaying order of said screen data to be displayed on said image-display

devices are predetermined, **figure 1 item 34, 36, figure 3 item 520 and 600**; a transmission-data-generating unit selecting specific screen data from among the set of the screen data by following the correspondence and the displaying order, and generating transmission data that each of said image-display devices is to display based on the selected specific screen data, **figure 3 items 500, 600, and 640**; and a transmission unit transmitting the transmission data through said bus interface to each of said image-display devices, **figure 1 items 32, 38, and 100.**

6.   **As in claim 10, Yonezawa teaches of** an image-display system comprising: a computer including a primary image-display device that displays a document including a plurality of pages, **figure 1, figure 3, column 5 lines 15-30**; a plurality of image-display devices that are connected to said computer, and display the document, **figure 1 items 60**; and a user interface that relates a specific page in the document to a specific image-display device among said image-display devices, **column 4 lines 35-45, column 5 lines 31-67.**

7.   **As in claim 11, Yonezawa teaches of,** wherein said user interface displays icons indicating said image-display devices on said primary image-display device, and allocates the specific page to an icon to display the specific page on an image-display device corresponding to the icon, figure 3 item 500.

As in claim 12, Yonezawa teaches of wherein said image-display system displays identification

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information of said image-display device and information about correspondence of said image display device to the specific page when displaying the specific page on said image-display device, figure 3 item 500. **As in claim 13, Yonezawa teaches of** wherein said user interface allocates the specific page to the icon by dragging and dropping said specific page to said icon, column 5 lines 35-50. **As in claim 14, Yonezawa teaches of** wherein said user interface displays a pop-up menu on one of the specific page and an area indicating the specific page on the primary image-display device, said pop-up menu being used for selecting the image display device to display the specific page thereon, figure 3 item 500, figure 14. **As in claim 15, Yonezawa teaches of** wherein said image-display system allocates each of previously displayed screen data and screen data to be displayed next to currently displayed screen data on said primary image-display device to any of said image-display devices, column 5 lines 14-35. **As in claim 16, Yonezawa teaches of** wherein said image-display system displays a scroll button on a screen of said primary image-display device, said scroll button being used for scrolling the screen of the image-display device displaying said specific page, figure 3 item (no shown) however inherent to window based interfacing. **As in claim 17, Yonezawa teaches of** wherein said document is a hypertext document, and each page of said document includes links to other pages, column 4 lines 58-67, column 5 lines 1-13, wherein clicking on said map group links the user to image display information which can also be clicked on or selected.

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8.   **As in claim 18, Yonezawa teaches of** a method of controlling screen data displayed on a plurality

of image-display devices connected to a control device through a bus interface, **figure 1**, said method

comprising the steps of: storing a set of the screen data whose correspondence to each of said

image-display devices and a displaying order of said screen data to be displayed on said

image-display devices are predetermined, in said control device, **figure 1 items 34, 36, column 4**

lines 57-67; selecting the screen data corresponding to each of said image-display devices from

among the set of the screen data by following the correspondence and the displaying order, **figure**

3 item 500, 600, and 640; and updating the screen data displayed on each of said image-display

devices simultaneously based on the selected screen data through the bus interface, **column 4 lines**

1-10.   As in claim 19, Yonezawa teaches of wherein the step of updating the screen data displayed

on each of said image-display devices simultaneously comprises a step of transmitting area-updating

data that includes data specifying an updating area of the screen data displayed on an image-display

device and data used for updating part of the screen data displayed in the updating area, column 4

lines 1-10, wherein video information is updated in real time..

9.   **As in claim 20, Yonezawa teaches of** a method of controlling screen data displayed on a plurality

of image-display devices connected to a control device through a bus interface, said method

comprising the steps of: storing a set of the screen data whose correspondence to each of said

image-display devices and a displaying order of said screen data to be displayed on said image-display

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devices are predetermined, in said control device, **figure 1 items 34, 36, column 4 lines 57-67**;

selecting the screen data corresponding to each of said image-display devices from among the set of

the screen data by following the correspondence and the displaying order, **figure 3 item 500, 600,**

and 640; generating transmission data that each of said image-display devices is to display based on

the selected screen data, **column 3 lines 40-56**; and transmitting the transmission data to each of said

image-display devices through said bus interface, **figure 1 items 32, 38, and 100, column 3 lines 35-**

44.

10.   **As in claim 21, Yonezawa teaches of** comprising the steps of: inputting an instruction to said

control device through a GUI (Graphical User Interface); and setting the correspondence of the

screen data to each of said image-display devices and the displaying order of the screen data by

following the instruction inputted, column 4 lines 35-45, column 5 lines 35-45. **As in claim 22,**

Yonezawa teaches of comprising the step of updating the screen data displayed on each of said

image-display devices simultaneously by transmitting area-updating data that includes data specifying

an updating area of the screen data displayed on an image-display device and data used for updating

part of the screen data displayed in the updating area, column 4 lines 1-10, column 6 lines 60-65.

11.   **As in claim 23, Yonezawa teaches of a** record medium readable by a machine, tangibly embodying

a program of instructions executable by the machine to perform method steps for controlling images

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displayed on a plurality of image-display devices connected to an image-transmitting device through a bus interface, **column 4 lines 27-57**, said method steps comprising: storing a set of screen data whose correspondence to each of said image-display devices and a displaying order of said screen data to be displayed on said image-display devices are predetermined, in said control device, **figure 1 items 34, 36, column 3 lines 35-56, column 4 lines 57-67**; selecting the screen data corresponding to each of said image-display devices from among the set of the screen data by following the correspondence and the displaying order, **figure 3 items 500, 600, and 640**; generating transmission data that each of said image-display devices is to display based on the selected screen data, **column 3 lines 40-56**; and transmitting the transmission data to each of said image-display devices through said bus interface, **figure 1 items 32, 38, and 100, column 3 lines 35-44. As in claim 24, Yonezawa teaches of** wherein said method steps comprises the steps of: inputting an instruction to said image transmitting device through a GUI (Graphical User Interface); and setting the correspondence of the screen data to each of said image-display devices and the displaying order of the screen data by following the instruction inputted, column 4 lines 35-45, column 5 lines 35-45, figure 11.

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Conclusion

12.　　　　The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. 6128629, 6396500, 6008807, 6407757, 6301586, 6104414, 5467102, 5923307.

13.　　　　Any inquiry concerning this communication or earlier communications from the examiner should be directed to **David L. Lewis** whose telephone number is **(703) 306-3026**. The examiner can normally be reached on MT and THF from 8 to 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala, can be reached on (703) 305-4938. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

BIPIN SHALWALA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

Examiner: David L. Lewis   August 12, 2002